

# Cheryl L Wellington

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54  
papers

2,220  
citations

25  
h-index

47  
g-index

60  
ext. papers

2,982  
ext. citations

8.3  
avg, IF

5.16  
L-index

#	Paper	IF	Citations
54	Persistently elevated complement alternative pathway biomarkers in COVID-19 correlate with hypoxemia and predict in-hospital mortality.. <i>Medical Microbiology and Immunology</i> , <b>2022</b> , 211, 37	4	2
53	Serum neurofilament light chain correlates with myelin and axonal magnetic resonance imaging markers in multiple sclerosis.. <i>Multiple Sclerosis and Related Disorders</i> , <b>2022</b> , 57, 103366	4	0
52	Reduced fixed dose tocilizumab 400 mg IV compared to weight-based dosing in critically ill patients with COVID-19: A before-after cohort study.. <i>The Lancet Regional Health Americas</i> , <b>2022</b> , 100228		
51	Solving neurodegeneration: common mechanisms and strategies for new treatments.. <i>Molecular Neurodegeneration</i> , <b>2022</b> , 17, 23	19	5
50	Review of Design Considerations for Brain-on-a-Chip Models. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	7
49	Red blood cell transfusion in animal models of acute brain injuries: a systematic review protocol. <i>Systematic Reviews</i> , <b>2021</b> , 10, 177	3	
48	Weathering the COVID-19 storm: Lessons from hematologic cytokine syndromes. <i>Blood Reviews</i> , <b>2021</b> , 45, 100707	11.1	92
47	Assessing the importance of interleukin-6 in COVID-19. <i>Lancet Respiratory Medicine</i> , <b>2021</b> , 9, e13	35.1	20
46	Development of a novel, sensitive translational immunoassay to detect plasma glial fibrillary acidic protein (GFAP) after murine traumatic brain injury. <i>Alzheimers Research and Therapy</i> , <b>2021</b> , 13, 58	9	0
45	Brain Hypoxia Is Associated With Neuroglial Injury in Humans Post-Cardiac Arrest. <i>Circulation Research</i> , <b>2021</b> , 129, 583-597	15.7	3
44	Quantification of Neurological Blood-Based Biomarkers in Critically Ill Patients With Coronavirus Disease 2019 <b>2020</b> , 2, e0238		13
43	Axl receptor tyrosine kinase is a regulator of apolipoprotein E. <i>Molecular Brain</i> , <b>2020</b> , 13, 66	4.5	5
42	Cerebrovascular amyloid Angiopathy in bioengineered vessels is reduced by high-density lipoprotein particles enriched in Apolipoprotein E. <i>Molecular Neurodegeneration</i> , <b>2020</b> , 15, 23	19	9
41	Amelioration of COVID-19-related cytokine storm syndrome: parallels to chimeric antigen receptor-T cell cytokine release syndrome. <i>British Journal of Haematology</i> , <b>2020</b> , 190, e150-e154	4.5	26
40	An Automated Kinematic Measurement System for Sagittal Plane Murine Head Impacts. <i>Journal of Biomechanical Engineering</i> , <b>2020</b> , 142,	2.1	1
39	Increased severity of the CHIMERA model induces acute vascular injury, sub-acute deficits in memory recall, and chronic white matter gliosis. <i>Experimental Neurology</i> , <b>2020</b> , 324, 113116	5.7	14
38	Vascular contributions to cognitive impairment and dementia (VCID): A report from the 2018 National Heart, Lung, and Blood Institute and National Institute of Neurological Disorders and Stroke Workshop. <i>Alzheimers and Dementia</i> , <b>2020</b> , 16, 1714-1733	1.2	36

37	The Association of Inflammatory Cytokines in the Pulmonary Pathophysiology of Respiratory Failure in Critically Ill Patients With Coronavirus Disease 2019 <b>2020</b> , 2, e0203		16
36	The association of ABO blood group with indices of disease severity and multiorgan dysfunction in COVID-19. <i>Blood Advances</i> , <b>2020</b> , 4, 4981-4989	7.8	68
35	An in vitro bioengineered model of the human arterial neurovascular unit to study neurodegenerative diseases. <i>Molecular Neurodegeneration</i> , <b>2020</b> , 15, 70	19	3
34	ApoA-I deficiency increases cortical amyloid deposition, cerebral amyloid angiopathy, cortical and hippocampal astrogliosis, and amyloid-associated astrocyte reactivity in APP/PS1 mice. <i>Alzheimers Research and Therapy</i> , <b>2019</b> , 11, 44	9	19
33	Vasoprotective Functions of High-Density Lipoproteins Relevant to Alzheimer's Disease Are Partially Conserved in Apolipoprotein B-Depleted Plasma. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	4
32	White matter hyperintensities in vascular contributions to cognitive impairment and dementia (VCID): Knowledge gaps and opportunities. <i>Alzheimers and Dementia: Translational Research and Clinical Interventions</i> , <b>2019</b> , 5, 107-117	6	129
31	Cerebral Microvascular Injury: A Potentially Treatable Endophenotype of Traumatic Brain Injury-Induced Neurodegeneration. <i>Neuron</i> , <b>2019</b> , 103, 367-379	13.9	43
30	Technique and preliminary findings for in vivo quantification of brain motion during injurious head impacts. <i>Journal of Biomechanics</i> , <b>2019</b> , 95, 109279	2.9	5
29	Characterisation of serum total tau following paediatric traumatic brain injury: a case-control study. <i>The Lancet Child and Adolescent Health</i> , <b>2019</b> , 3, 558-567	14.5	15
28	Primum non nocere: a call for balance when reporting on CTE. <i>Lancet Neurology</i> , <b>2019</b> , 18, 231-233	24.1	34
27	HDL from an Alzheimer's disease perspective. <i>Current Opinion in Lipidology</i> , <b>2019</b> , 30, 224-234	4.4	38
26	An End-to-end System for Automatic Characterization of Iba1 Immunopositive Microglia in Whole Slide Imaging. <i>Neuroinformatics</i> , <b>2019</b> , 17, 373-389	3.2	11
25	CHIMERA repetitive mild traumatic brain injury induces chronic behavioural and neuropathological phenotypes in wild-type and APP/PS1 mice. <i>Alzheimers Research and Therapy</i> , <b>2019</b> , 11, 6	9	31
24	Vascular dysfunction-The disregarded partner of Alzheimer's disease. <i>Alzheimers and Dementia</i> , <b>2019</b> , 15, 158-167	1.2	265
23	A Rational Structured Epitope Defines a Distinct Subclass of Toxic Amyloid-beta Oligomers. <i>ACS Chemical Neuroscience</i> , <b>2018</b> , 9, 1591-1606	5.7	13
22	Age at injury and genotype modify acute inflammatory and neurofilament-light responses to mild CHIMERA traumatic brain injury in wild-type and APP/PS1 mice. <i>Experimental Neurology</i> , <b>2018</b> , 301, 26-38	5.7	25
21	Small molecule inducers of ABCA1 and apoE that act through indirect activation of the LXR pathway. <i>Journal of Lipid Research</i> , <b>2018</b> , 59, 830-842	6.3	26
20	Military-related risk factors for dementia. <i>Alzheimers and Dementia</i> , <b>2018</b> , 14, 1651-1662	1.2	10

19	The Canadian Traumatic Brain Injury Research Consortium: Epitomizing Collaborative Research in Canada. <i>Journal of Neurotrauma</i> , <b>2018</b> , 35, 1858-1863	5.4	4
18	Defining the biomechanical and biological threshold of murine mild traumatic brain injury using CHIMERA (Closed Head Impact Model of Engineered Rotational Acceleration). <i>Experimental Neurology</i> , <b>2017</b> , 292, 80-91	5.7	45
17	High-density lipoproteins suppress A $\beta$ -induced PBMC adhesion to human endothelial cells in bioengineered vessels and in monoculture. <i>Molecular Neurodegeneration</i> , <b>2017</b> , 12, 60	19	25
16	Clearance of beta-amyloid is facilitated by apolipoprotein E and circulating high-density lipoproteins in bioengineered human vessels. <i>ELife</i> , <b>2017</b> , 6,	8.9	59
15	The pleiotropic vasoprotective functions of high density lipoproteins (HDL). <i>Journal of Biomedical Research</i> , <b>2017</b> ,	1.5	11
14	Reconstituted high-density lipoproteins acutely reduce soluble brain A $\beta$ levels in symptomatic APP/PS1 mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2016</b> , 1862, 1027-36	6.9	48
13	Distinct roles for metalloproteinases during traumatic brain injury. <i>Neurochemistry International</i> , <b>2016</b> , 96, 46-55	4.4	27
12	Chronic Exposure to Androgenic-Anabolic Steroids Exacerbates Axonal Injury and Microgliosis in the CHIMERA Mouse Model of Repetitive Concussion. <i>PLoS ONE</i> , <b>2016</b> , 11, e0146540	3.7	28
11	Identification of a Chrysanthemic Ester as an Apolipoprotein E Inducer in Astrocytes. <i>PLoS ONE</i> , <b>2016</b> , 11, e0162384	3.7	17
10	Relation between plasma and brain lipids. <i>Current Opinion in Lipidology</i> , <b>2016</b> , 27, 225-32	4.4	15
9	Vascular contributions to cognitive impairment and dementia including Alzheimer's disease. <i>Alzheimers and Dementia</i> , <b>2015</b> , 11, 710-7	1.2	364
8	High-density lipoproteins and cerebrovascular integrity in Alzheimer's disease. <i>Cell Metabolism</i> , <b>2014</b> , 19, 574-91	24.6	61
7	LCAT deficiency does not impair amyloid metabolism in APP/PS1 mice. <i>Journal of Lipid Research</i> , <b>2014</b> , 55, 1721-9	6.3	5
6	HDL and cholesterol handling in the brain. <i>Cardiovascular Research</i> , <b>2014</b> , 103, 405-13	9.9	116
5	ApoE secretion modulating bromotyrosine derivative from the Australian marine sponge <i>Callyspongia</i> sp. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2014</b> , 24, 3537-40	2.9	10
4	Merging pathology with biomechanics using CHIMERA (Closed-Head Impact Model of Engineered Rotational Acceleration): a novel, surgery-free model of traumatic brain injury. <i>Molecular Neurodegeneration</i> , <b>2014</b> , 9, 55	19	102
3	Intravenously injected human apolipoprotein A-I rapidly enters the central nervous system via the choroid plexus. <i>Journal of the American Heart Association</i> , <b>2014</b> , 3, e001156	6	52
2	Towards clinical management of traumatic brain injury: a review of models and mechanisms from a biomechanical perspective. <i>DMM Disease Models and Mechanisms</i> , <b>2013</b> , 6, 1325-38	4.1	70

- 1 Cholesterol at the crossroads: Alzheimer's disease and lipid metabolism. *Clinical Genetics*, **2004**, 66, 1-164 53